



VIDEO PRO X4

New features and detailed improvements of the new version

HIGHLIGHTS

- „ **Innovative timeline** with optimized object design
- „ **Hybrid Video Engine** with Intel® Quick Sync Video, CUDA and OpenCL
- „ **Hardware support** for Blackmagic Intensity/DeckLink
- „ **Extended format support** for ProRes, MVC and DnxHD
- „ **Dynamic timelapse function** with frame interpolation
- „ **3rd party plug-ins** by Red Giant, Digieffects and NewBlueFX



IMPORT

- „ **Improved codec and subformat compatibility with full support for:**
 - „ Apple ProRes
 - „ DnxHD
 - „ additional QuickTime codecs and H.264/MPEG-2 based subformats
- „ **Optimized import wizard for removable media (P2, CF etc.):**
 - „ Various performance optimizations
 - „ **Optical media** will display only if it's an AVCHD disc
 - „ **Find folder** is a preset if no camcorder is found
 - „ **Scanning** can be interrupted by pressing ESC
 - „ Thumbnails from AVCHD special folder are opened as **large icons** only during viewing
 - „ **Optimized color display** for improved recognition of individual recording sessions in large directories
 - „ Recordings on the camera can be **deleted manually**
 - „ New **status info** for camcorder disk capacity



PERFORMANCE

- On average **up to 3 times faster AVCHD export compared to previous version thanks to Hybrid Video Engine** with full support for the following technologies:
 - NVIDIA® CUDA™
 - AMD® OpenCL
 - Intel® Quick Sync Video
- Improved preview rendering with automatic recognition of critical areas
- Drastically **accelerated program processes**:
 - Noticeably accelerated **program start**
 - Accelerated **loading of projects** and **recording dialogs**
 - Accelerated closing of **program settings** after changes and accelerated initiation of export processes in large projects
 - Shorter reaction time of the **timeline play marker** when "Image size and position" effects section is open
 - **Faster image generation in Media Pool** for large media directories
- **Prezise thumbnail depiction** in timeline objects
- **Optimized background processing**: results in faster program reaction on marker movements, rewinds and editing operations on AVCHD material
- **Optimized image stabilization for multicore CPUs**: Up to 11-times faster on Intel® compared to the previous version
- **Multicore optimization** for image sharpness and feathering effects
- Use of expanded memory on **64-bit systems** for GOP and bitmap caching
- Calculation of **dynamic object effects on GPU** with activated anti-flicker effect
- **Video effect rendering on GPU** (incl. special read back for NVIDIA® systems)
- **Calculation of standard transition on GPU**
- **Navigation with keyboard and external controllers such as Contour shuttle is more fluid**
- **Improved performance** when working with large DV-AVI files

EDITING

- **Full screen effect editing** for more precise effect control
- **Dynamic speed ramps for video clips**
- **Frame interpolation** for drastically smoother slow motions
- **Improvements to the travel route animation**:
 - Fully redesigned program layout with improved usability
 - Detailed optimizations: waypoints, points of interest and much more
 - New animated vehicles and objects
- Multicore optimized new **blur effect**
- **Direct effect editing in the timeline** for multi-object selections
- Improved integration of **Xara Designer Pro**
 - Transfer current video frame directly into Xara Designer Pro: perfect for rotoscoping, creating custom masks, tracking and creating overlay vector graphics
 - Additional Menu structure in the object context menu and the effects menu

STEREO3D SUPPORT

- **Import function for MVC files**, e. g. for Sony TD-10 and JVC TD-1
- **Export function for Multistream-AVCHD-Dateien (MVC)**
- Improved **Perspectical Correction** in the Stereo3D alignment
- **Configurable output for line-by-line interpolation**
- **New output modes "over/under"** in order to take advantage of full resolution of devices with line-by-line interpolation
- **Export for lens array images** (lenticular, or "wiggle" images)



- Detailed improvements to the algorithm for **anaglyph Stereo3D exports** with perfectly natural skin tones
- Improved **compatibility for MPO subformats** and import performance

IMPROVED USABILITY

- **Fully redesigned timeline and objects**
 - **New object design** with precise visualisation
 - **Combined video and audio objects** to display video and audio material on the same track
 - **Revised track headers** with separate controls for mute/visibility and volume/transparency
 - Individually controllable **track height**
 - One click function to **remove and restore video soundtrack**
- **Zoomable thumbnails** in the media pool
- **Easier adjustable program layout** with new cursor and larger area to grab and scale windows
- **Direct preview function** for project content in the media pool
- **Metadata** of AVCHD recordings and EXIF information can now be displayed in the object settings
- Program settings for **FullHD video**
- New presets for **movie settings and export processes with 24p material**.

EXPORT & DISC AUTHORING

- Revised **burning options**: with optimized usability
- More information displayed on export with **smart rendering**: for exact compatibility analysis
- Direct upload functionality to the **MAGIX Video cloud**

HARDWARE

- **Full support for Blackmagic Design hardware:**
 - Compatible with: **Intensity Pro, Intensity Shuttle**
 - **Real-time preview with hardware acceleration on external control monitors**

BONUS SOFTWARE

- **Red Giant Magic Bullet Quick Looks**: fast color grading workflow
- **digieffects Phenomena**: realistic and creative particle simulations
- **NewBlueFX Light Blends** : video transitions with e. g. scanner, warp and light effects

CONTENT

- **28 new backgrounds**: animated video loops and background images
- **18 new animated disc menus**: for DVD, AVCHD and Blu-ray Disc
- **New transition categories**: optimized layout and preview mode
- **14 new video transitions**: including light leak effects, film burns and much more
- **17 new animated captions**: extensive selection, broadcast ready
- **15 new fonts**: with perfectly arranged title templates
- **6 new movie templates**: perfect for image films, product videos and scientific studies